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IAP7 Rec'd PCT/PTO 12 JUL 2006'

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

ATTORNEY'S DOCKET NUMBER SUNDS 3.3-151

U.S. APPLICATION NO. (If known see 37 CFR 1.5)

| CONCERNING A SUBMISSI | ON UNDER 35 U.S.C. 371 | 11/585/57 | | | | | |
|--|---|---|--|--|--|--|--|
| INTERNATIONAL APPLICATION NO. PCT/SE2005/000035 | INTERNATIONAL FILING DATE 17 January 2005 | PRIORITY DATE CLAMED 21 January 2004 | | | | | |
| TITLE OF INVENTION REFINING ELEMENT | | , | | | | | |
| APPLICANT(S) FOR DO/EO/US | | | | | | | |
| Nils Virving, Pertti Purolainen, and Lar | | | | | | | |
| | | /US) the following items and other information: | | | | | |
| 1. x This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. | | | | | | | |
| 2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. | | | | | | | |
| 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. | | | | | | | |
| 4. The US has been elected (Article | The US has been elected (Article 31). | | | | | | |
| A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) | | | | | | | |
| a. is attached hereto (required only if not communicated by the International Bureau). | | | | | | | |
| b. x has been communicated by the | b. x has been communicated by the International Bureau. | | | | | | |
| c. is not required, as the application was filed in the United States Receiving Office (RO/US). | | | | | | | |
| 6. An English language translation o | f the International Application as filed (3 | 5 U.S.C. 371(c)(2)). | | | | | |
| a. is attached hereto. | | | | | | | |
| b. has been previously submitte | d under 35 U.S.C. 154(d)(4). | | | | | | |
| 7. x Amendments to the claims of the | International Application under PCT Arti | cle 19 (35 U.S.C. 371(c)(3)) | | | | | |
| a are attached hereto (required | a. are attached hereto (required only if not communicated by the International Bureau). | | | | | | |
| b. have been communicated by | b. have been communicated by the International Bureau. | | | | | | |
| c. have not been made; howeve | er, the time limit for making such amend | ments has NOT expired. | | | | | |
| d. x have not been made and will | not be made. | | | | | | |
| 8. An English language translation o | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). | | | | | | |
| 9. x An oath or declaration of the inver | ntor(s) (35 U.S.C. 371(c)(4)). | | | | | | |
| 10. An English language translation o Article 36 (35 U.S.C. 371(c)(5)). | f the annexes of the International Prelin | ninary Examination Report under PCT | | | | | |
| Items 11 to 20 below concern docu | ment(s) or information included: | | | | | | |
| 11. x An Information Disclosure State | ment under 37 CFR 1.97 and 1.98. w | /SB-08, 4 references (1 enclosed) | | | | | |
| 12. An assignment document for reco | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. | | | | | | |
| 13. A preliminary amendment. | | | | | | | |
| 14. x An Application Data Sheet under | r 37 CFR 1.76. | | | | | | |
| 15. A substitute specification. | | 7 | | | | | |
| 16. A power of attorney and/or change | ge of address letter. | · | | | | | |
| 17. A computer-readable form of the | sequence listing in accordance with P | CT Rule 13ter.2 and 37 CFR 1.821 – 1.825. | | | | | |
| 18. x A second copy of the published I | A second copy of the published International Application under 35 U.S.C. 154(d)(4). | | | | | | |
| 19. A second copy of the English lan | guage translation of the international a | application under 35 U.S.C. 154(d)(4). | | | | | |
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PT0-1390 (Rev. 07-2005)
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| U.S. APPLICATION | NM . (#kn | 20 | 94.96 | 1.57 INTERNATIONAL APPLICATION NO. PCT/SE2005/000035 | | | | ATTORNEY'S DOCKET NUMBER SUNDS 3.3-151 | | | |
| 20. x Other | items or | informa | ition: Return | Receipt Postcard | | | - | | | | |
| 20. x Other items or information: Return Receipt Postcard | | | | | | | | | | | |
| The foll | lowing fe | es have | e been submitte | ed | | | CA | CALCULATIONS PTO USEONL | | | |
| 21. x Basic national fee (37 CFR 1.492(a)) | | | | | \$300 | \$ | 300.0 | 00 | | | |
| 22. x Examination fee (37 CFR 1.492(c)) | | | | | | | | | | | |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) | | | | | | \$ | 200.0 | 00 | | | |
| 1 | • | | 1.492(b)) | | | | | | - [| | |
| | | | | I preliminary examination of PCT Article 33(1)-(4) | | | | | | | |
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| International Sea | arch Repo | rt prepare | ed by an ISA other | than the US and provide | ed to | the Office or | Ψ | 400.0 | ~ | | |
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| | TOTAL (| OF 21, 22 | and 23 = | | | | \$ | 900.0 | 00 | | |
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| sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | • | | | | | | |
| Total Sheets | Extra Sh | neets | | additional 50 or fraction up to a whole number) | | RATE | | | | | |
| 5 -100= | | /50 = | | | | x \$250.00 | \$ | | • | | |
| Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). | | | | | \$ | | | | | | |
| CLAIMS | s | | MBER FILED NUMBER EXTRA RATE | | | | | , | | | |
| Total clair | | | 2 - 20 = | | × | | 0.00 | | | | |
| Independent | 1 | | 1 - 3 = | | × | | 0.00 | | | | |
| MULTIPLE DEP | PENDENT CLAIM(S) (if applicable) + | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS = \$ 900.00 | | | | | | | | | | | |
| Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | | | | | | | | | | |
| SUBTOTAL | | | | | \$ | 900.0 | 00 | | | | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). | | | | | \$ | | | | | | |
| TOTAL NATIONAL FEE: | | | | | \$ 900.00 | | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | | | | | | | | |
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| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed an granted to restore the International Application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: | SIGNATURE | | | | |
| | John R. Nelson | | | | |
| CUSTOMER NUMBER: 000530 | 26,573 | | | | |
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